

STN Columbus

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

***** RECONNECTED TO STN INTERNATIONAL *****
SESSION RESUMED IN FILE 'REGISTRY' AT 21:57:47 ON 18 AUG 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.44	228.74

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE .	0.00	-6.57

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.44	228.74

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.57

FILE 'REGISTRY' ENTERED AT 21:57:57 ON 18 AUG 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 AUG 2005 HIGHEST RN 860672-09-9
DICTIONARY FILE UPDATES: 17 AUG 2005 HIGHEST RN 860672-09-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer

STN Columbus

to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L6 STRUCTURE UPLOADED

=> s l6

SAMPLE SEARCH INITIATED 22:02:59 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 4080 TO ITERATE

49.0% PROCESSED 2000 ITERATIONS 1 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 77770 TO 85430
 PROJECTED ANSWERS: 1 TO 125

L7 1 SEA SSS SAM L6

=> s l6 sss full

FULL SEARCH INITIATED 22:03:08 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 79529 TO ITERATE

100.0% PROCESSED 79529 ITERATIONS 25 ANSWERS
 SEARCH TIME: 00.00.03

L8 25 SEA SSS FUL L6

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	164.77	393.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.57

FILE 'CAPLUS' ENTERED AT 22:03:18 ON 18 AUG 2005
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FILE COVERS 1907 - 18 Aug 2005 VOL 143 ISS 8
 FILE LAST UPDATED: 17 Aug 2005 (20050817/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 18

L9 1 L8

=> d 19 bib abs hitstr

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

Full Text

AN 2004:467694 CAPLUS

DN 141:23552

TI Preparation of 1-[3-[4-(pyridinyl)-1-piperazinyl]phenyl]ethyl amides as openers or activators of KCNQ potassium channels

IN Wu, Yong-Jin; Sun, Li-Qiang; Chen, Jie

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

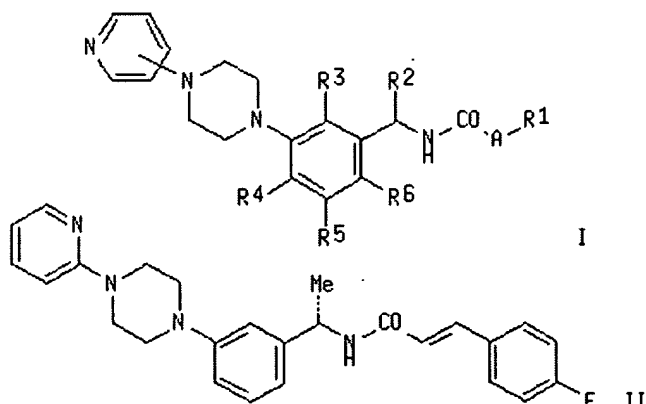
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004047745	A2	20040610	WO 2003-US37350	20031121
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004110765	A1	20040610	US 2003-719188	20031121
PRAI	US 2002-428354P	P	20021122		
OS	MARPAT 141:23552				
GI					

Apps



AB Amides, such as I [R1 = unsubstituted- or substituted-Ph, pyridinyl, 3-quinolinyl, cycloalkyl, thienyl, furanyl; R2 = CF3, CH2OH, alkyl; R3, R4, R5, R6 = H, F; A = -CH:CH-, -(CH2)n-, n = 0, 1, 2, 3], were prep'd. for therapeutic use as openers or activators of KCNQ potassium channels and

were claimed for use in the treatment of migraine, bipolar disorders, epilepsy, acute and chronic pain, neuropathic pain, convulsions, mania, depression, anxiety, and neurodegenerative disorders. Thus, amide II was prepd. via an amidation reaction of 4-fluorocinnamic acid with (S)-1-[3-[4-(2-pyridyl)piperazin-1-yl]phenyl]ethylamine using EDC, DMAP and Et₃N in CH₂Cl₂ with 60% yield. The prepd. amides were assayed for K⁺ channel activity using a thallium flux assay.

IT 700856-43-5P 700856-46-8P 700856-49-1P
 700856-52-6P 700856-55-9P 700856-58-2P
 700856-61-7P 700856-64-0P 700856-67-3P
 700856-70-8P 700856-73-1P 700856-76-4P
 700856-79-7P 700856-82-2P 700856-84-4P
 700856-87-7P 700856-89-9P 700856-92-4P
 700856-94-6P 700856-97-9P 700857-00-7P
 700857-03-0P 700857-06-3P 700857-09-6P
 700857-12-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

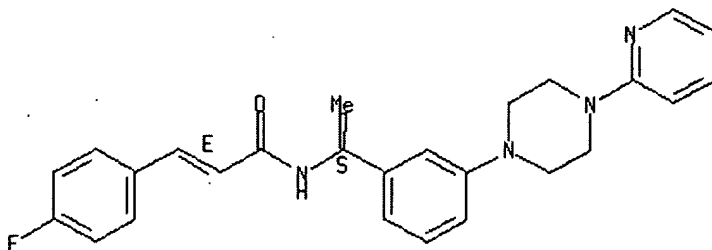
(prepn. of 1-[3-[4-(pyridinyl)-1-piperazinyl]phenyl]ethyl amides for use in pharmaceutical compns. as openers or activators of KCNQ potassium channels)

RN 700856-43-5 CAPLUS

CN 2-Propenamide, 3-(4-fluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

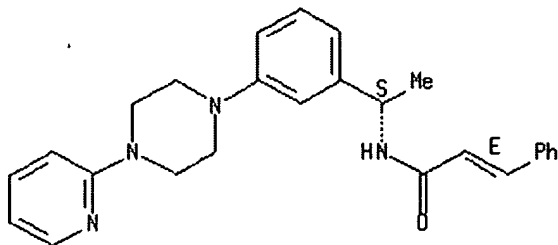


RN 700856-46-8 CAPLUS

CN 2-Propenamide, 3-phenyl-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

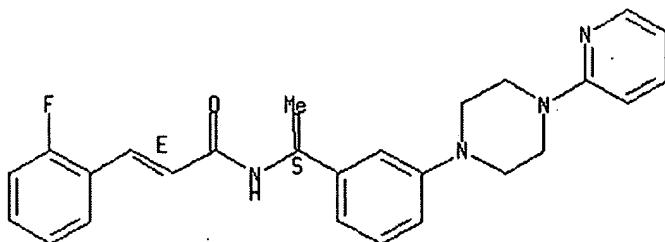


RN 700856-49-1 CAPLUS

CN 2-Propenamide, 3-(2-fluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-

piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

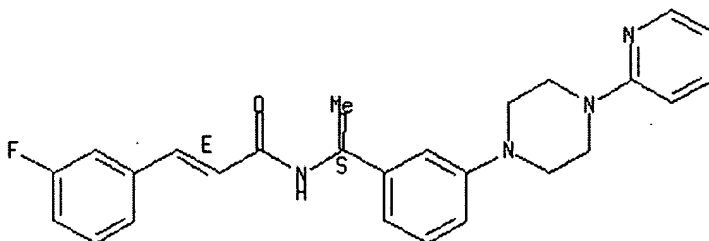
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-52-6 CAPLUS

CN 2-Propenamide, 3-(3-fluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

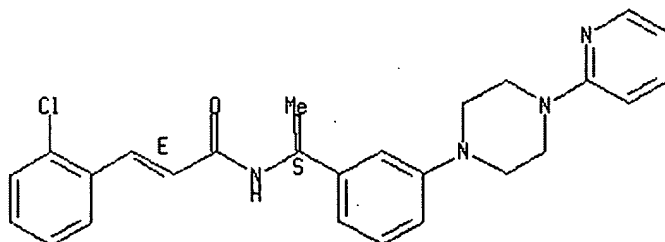
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-55-9 CAPLUS

CN 2-Propenamide, 3-(2-chlorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

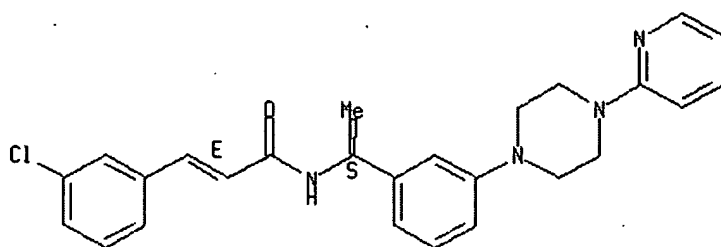
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-58-2 CAPLUS

CN 2-Propenamide, 3-(3-chlorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

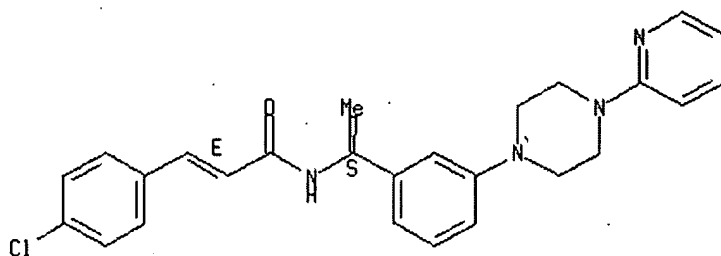
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-61-7 CAPLUS

CN 2-Propenamide, 3-(4-chlorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

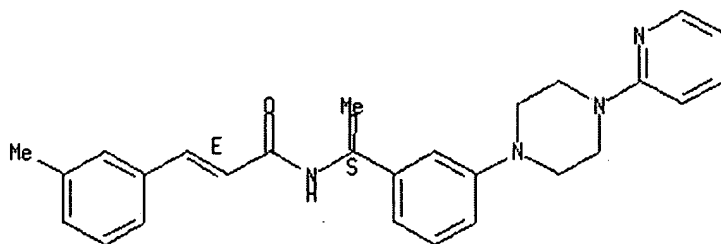
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-64-0 CAPLUS

CN 2-Propenamide, 3-(3-methylphenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

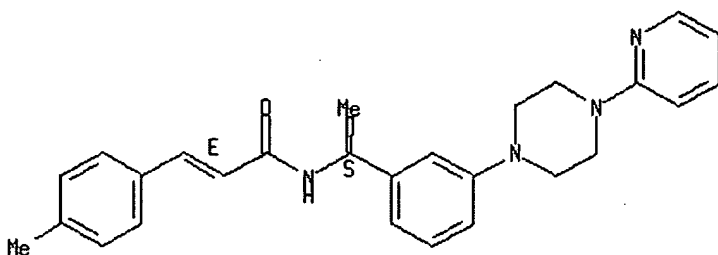
Absolute stereochemistry.
Double bond geometry as shown.



RN 700856-67-3 CAPLUS

CN 2-Propenamide, 3-(4-methylphenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

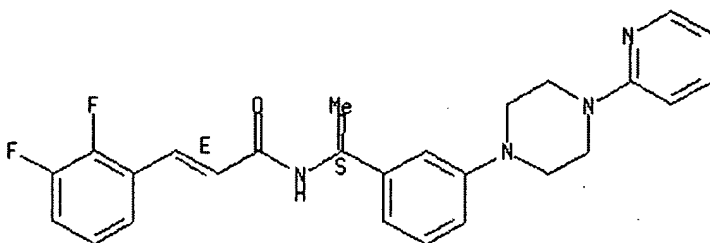


RN 700856-70-8 CAPLUS

CN 2-Propenamide, 3-(2,3-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

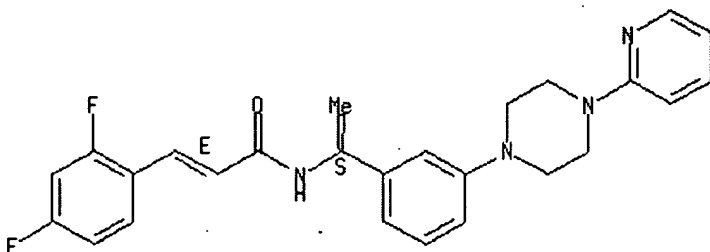


RN 700856-73-1 CAPLUS

CN 2-Propenamide, 3-(2,4-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

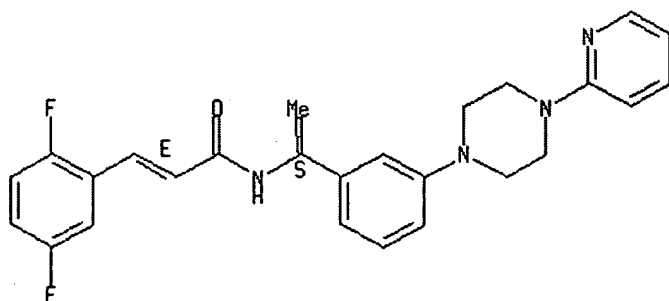


RN 700856-76-4 CAPLUS

CN 2-Propenamide, 3-(2,5-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

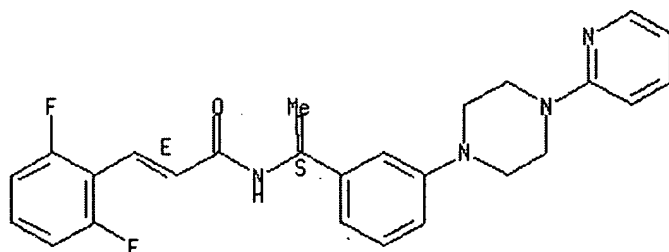


RN 700856-79-7 CAPLUS

CN 2-Propenamide, 3-(2,6-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

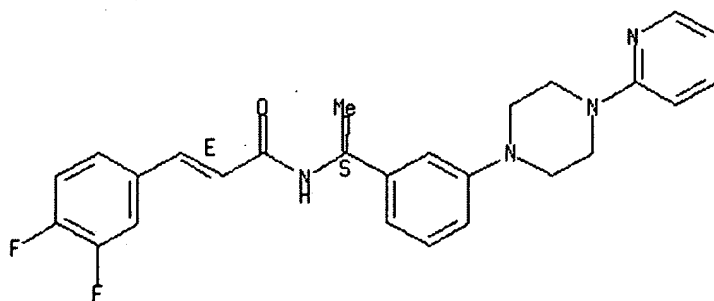


RN 700856-82-2 CAPLUS

CN 2-Propenamide, 3-(3,4-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

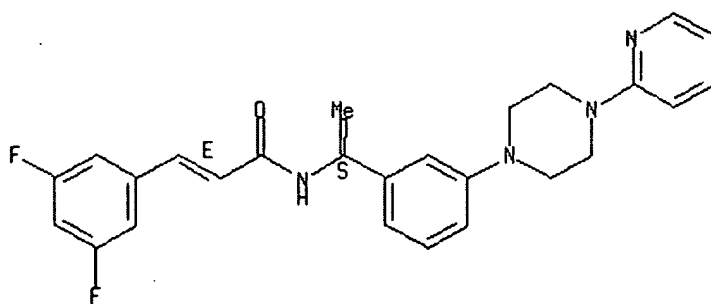


RN 700856-84-4 CAPLUS

CN 2-Propenamide, 3-(3,5-difluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

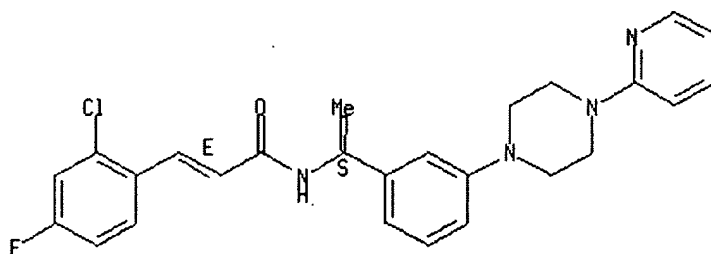


RN 700856-87-7 CAPLUS

CN 2-Propenamide, 3-(2-chloro-4-fluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

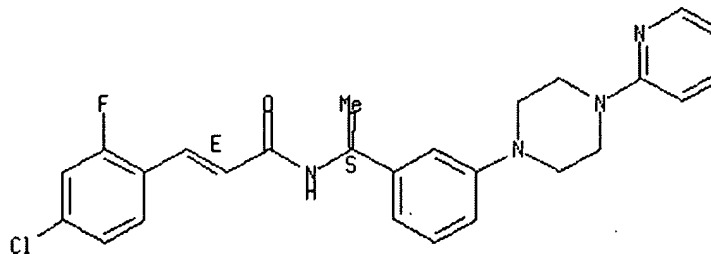


RN 700856-89-9 CAPLUS

CN 2-Propenamide, 3-(4-chloro-2-fluorophenyl)-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

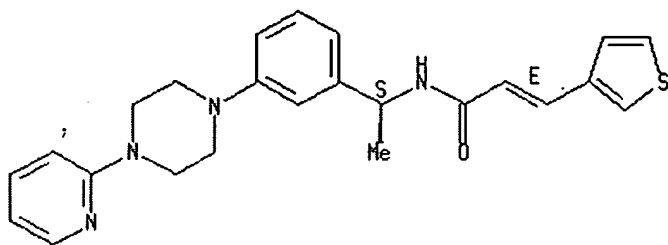


RN 700856-92-4 CAPLUS

CN 2-Propenamide, N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]-3-(3-thienyl)-, (2E)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

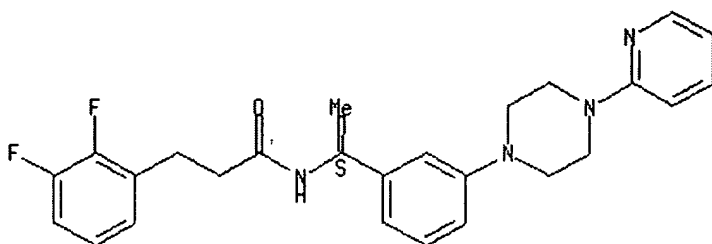
Double bond geometry as shown.



RN 700856-94-6 CAPLUS

CN Benzenepropanamide, 2,3-difluoro-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

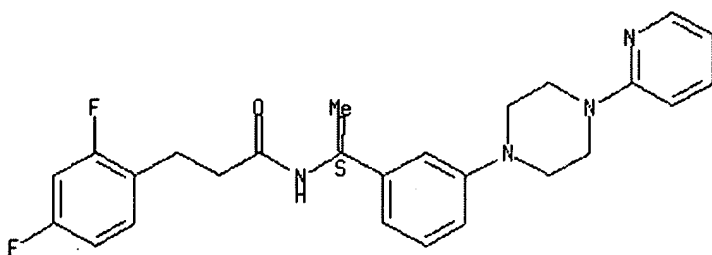
Absolute stereochemistry.



RN 700856-97-9 CAPLUS

CN Benzenepropanamide, 2,4-difluoro-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

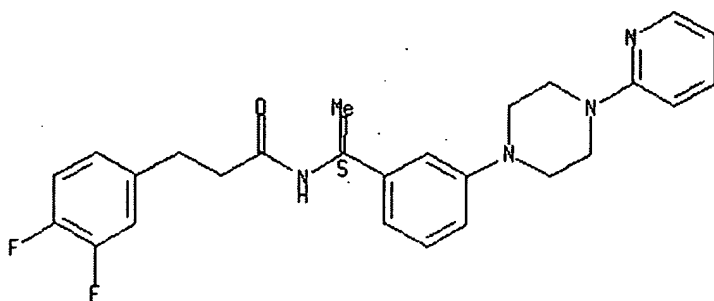
Absolute stereochemistry.



RN 700857-00-7 CAPLUS

CN Benzenepropanamide, 3,4-difluoro-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

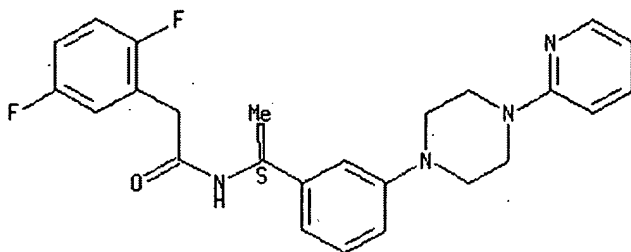
Absolute stereochemistry.



RN 700857-03-0 CAPLUS

CN Benzeneacetamide, 2,5-difluoro-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

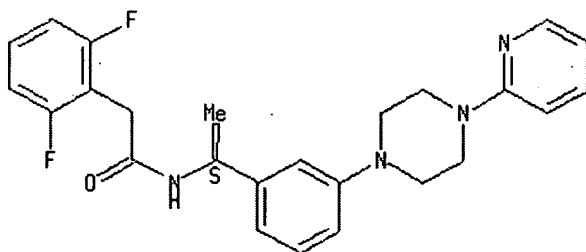
Absolute stereochemistry.



RN 700857-06-3 CAPLUS

CN Benzeneacetamide, 2,6-difluoro-N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

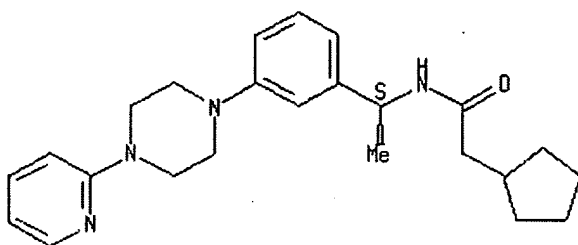
Absolute stereochemistry.



RN 700857-09-6 CAPLUS

CN Cyclopentaneacetamide, N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

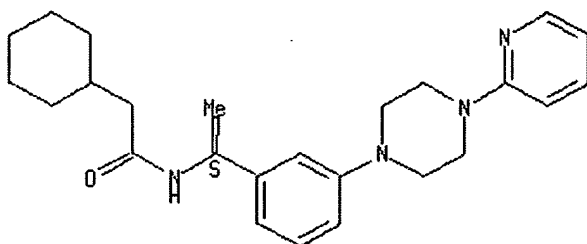
Absolute stereochemistry.



RN 700857-12-1 CAPLUS

CN Cyclohexanecarboxamide, N-[(1S)-1-[3-[4-(2-pyridinyl)-1-piperazinyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> file caold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

5.39	398.90
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-0.73	-7.30
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FILE 'CAOLD' ENTERED AT 22:03:48 ON 18 AUG 2005

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

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(FILE 'HOME' ENTERED AT 21:32:38 ON 18 AUG 2005)

FILE 'REGISTRY' ENTERED AT 21:32:59 ON 18 AUG 2005

L1 STRUCTURE UPLOADED

L2 3 S L1

L3 61 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 21:42:22 ON 18 AUG 2005

L4 9 S L3

FILE 'CAOLD' ENTERED AT 21:43:09 ON 18 AUG 2005

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 21:52:35 ON 18 AUG 2005

FILE 'REGISTRY' ENTERED AT 21:57:57 ON 18 AUG 2005

L6 STRUCTURE UPLOADED

L7 1 S L6

L8 25 S L6 SSS FULL

FILE 'CAPLUS' ENTERED AT 22:03:18 ON 18 AUG 2005

L9 1 S L8

FILE 'CAOLD' ENTERED AT 22:03:48 ON 18 AUG 2005

=> s 18

L10 0 L8

=>